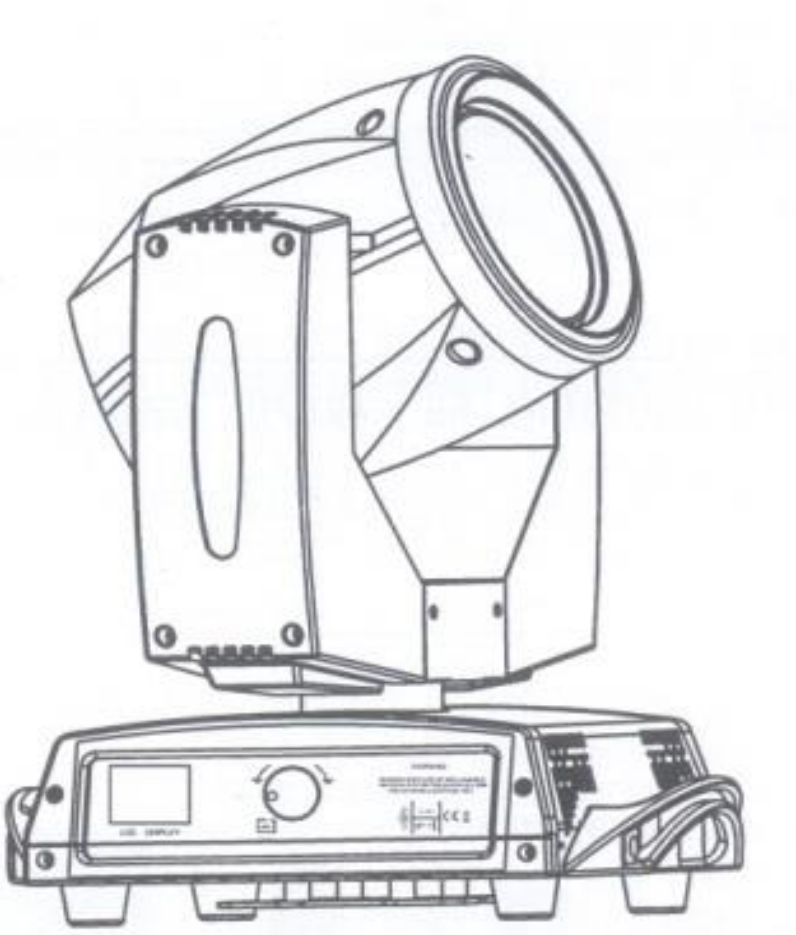
Beam 200W Moving Head Light

FL-202 BEAM200W-F1000363



USER MANUAL

Catalogue

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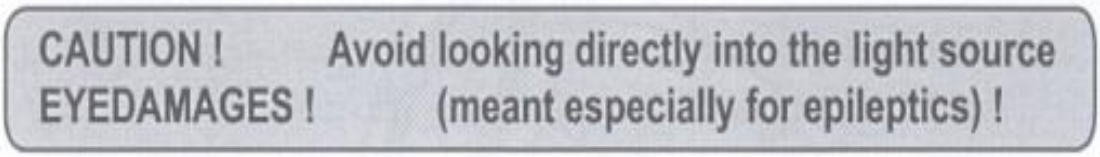
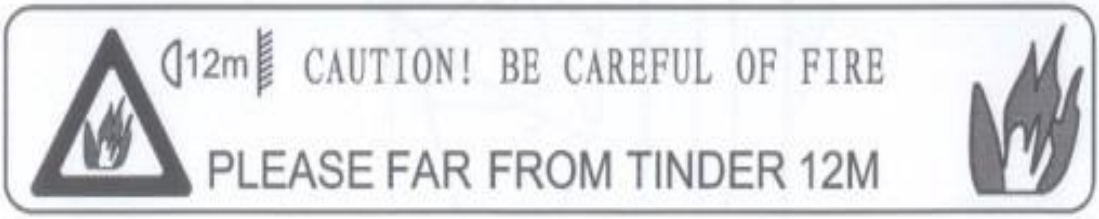
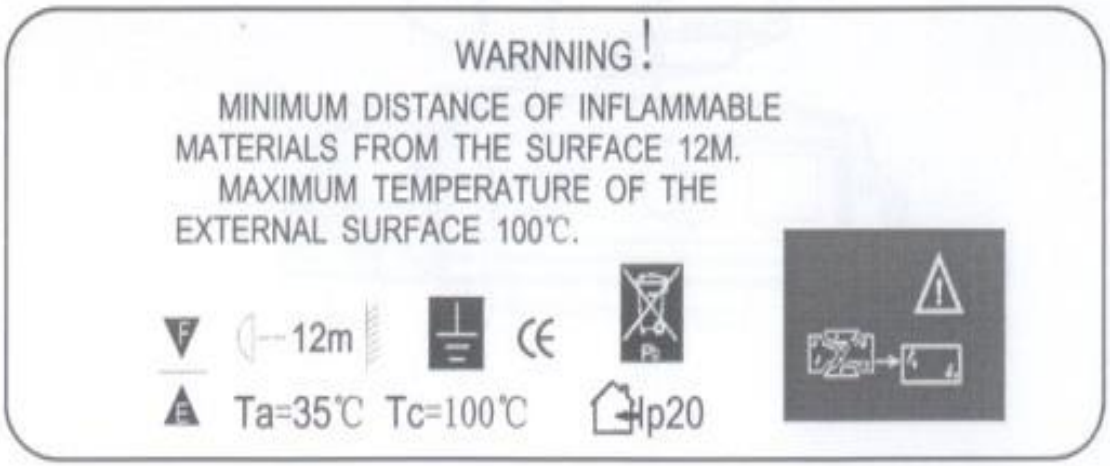






The New moving head Beam FL-202, equipped with a revolutionary R5 190W discharge lamp (8000 ˚ F, 2000 hrs.). This Beam FL-202 moving head has a light output that is comparable to devices with 700W discharge lamps. Compact, lightweight, very sharp and stream bright light, and with very attractive price that you will never want to go back

Warning

To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
Do not spill water or other liquids into or on
to your unit.
During long periods of non-use, disconnect the unit's
main power.
It should be installed in a well-ventilated place,
at a distance of 50 centimeters or more with the walls.
At the same time, please check if the fan and ventilation holes are unobstructed.

Statement

The product has perfect performance and integrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the company's warranty. Any fault or problem caused by Note: All information is subject to change without prior notice.

Safety Precautions

In order to guarantee the product's life, please don't put in the damp places or even the environment over 40degress.
Always mount this unit in safeand stable matter.
The qualified professionals are allowed to carry
out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.
Using lamp, the change rate of Power voltage should
be within+10%, If the voltage is too high, it will shorten
the light's life; if it's not enough, the lamp will be dark.
Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
In order to make sure the product is used well, please read the Manual carefully

FEATURES

High quality R5 190W discharge lamp (8000o F, 2000 hours)
Beam Angle 0-4*
Resetting the lamp on and off using the DMX512 signal
Extremely fast and precise movement
Electronic monitoring of the error message
Ultra compact design, light weight device (17.2 kg)

DYNAMIC EFFECTS

The color wheel (14 colors + white)
Gobo wheel (17 gobo + open)
Prism (8 - Wall rotary)
Dimmer (0-100%)
Electronic Focus
Frost
Strobe (0-20hz)
PAN: 540o
TILT: 240o
Speed control PAN, TILT DM

Color System
14 colors+white

Gobo System
17 gobos+white

Strobe and Dimmer
Mechanical shutter and adjustable speed strobe effect.

CONTROL AND PROGRAMMING
1. Control of the market definition PAN and TILT (8bit or 16bit)
2. DMX 512: 16, 17 or 20 channels
3. and addressing settings: graphic LCD with back light

OPTICS
1. Viewing angle: 0-4*
2. 3 lenses
3. Electronic Focus
4. 8-wall rotating prism
5. The Power of Light: Light power: LUX: 142500 @ 10m, 84300 @ 15m
6. The color wheel (14 dichromate filter + white)
7. Gobo wheel (17 gobo + open)

EXECUTION
1. Aluminum construction with plastic
2. Two side handles for transportation
3. Two locking PAN and TILT speed for safe handling of the head
4. Degree of protection: IP20

INSTALLATION
1. Two handles for screw hooks
2. Indoor use only
3. Mounting head in any position
4. Minimum distance to illuminated surfaces: 3m
5. Keep a minimum distance from the surrounding area of the head: 0.5 m

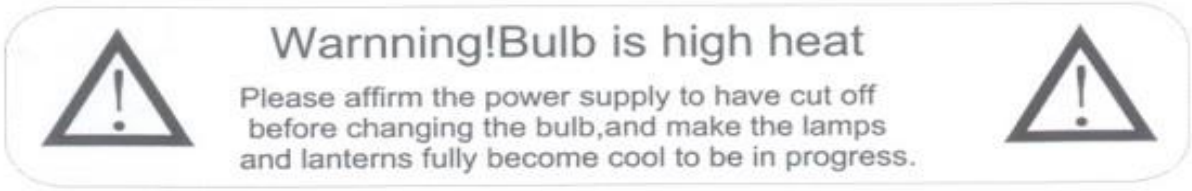
CONNECTORS
1. Power connector IN: Neutrino Power Con
2. Mains connector OUT: Neutrino Power Con
3. DMX512 signal connector: 3-pin XLR (IN, OUT), and 5-pin XLR (IN, OUT)

ELECTRICAL
1. Power supply: AC 110V - 240V, 50/60Hz
2. Maximum power consumption: 360W
3. Protection: F7AL

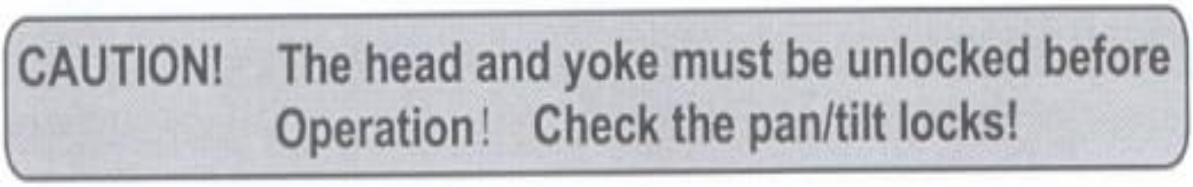
ACCESSORIES INCLUDED
1. Power-Con power cable IN (blue connector)
2. Power-Con power cable OUT - Extension (gray connector - blue connector)
3. DMX512 cable - XLR 3pin (2p)
4. DMX512 cable - XLR 5pin (2p)
5. Brackets for attaching the head to the structure (2p)
6. User manual

USEFUL INFORMATION FOR ORDERING
Packaging (1 pc): 470x380x550mm
Gross Weight: 18.8 kg

Ⅴ Warning for Replace bulb


Warnning!Bulb is high heat
Please affirm the power supply to have cut off
before changing the bulb,and make the lamps
and lanterns fully become cool to be in progress.

Ⅵ Warning for Operation



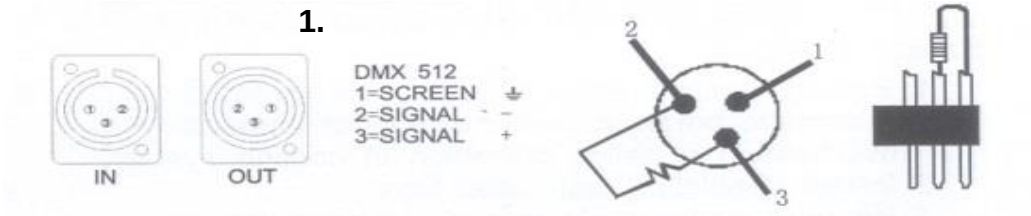
Ⅶ Sketch map of DMX XLR Connection

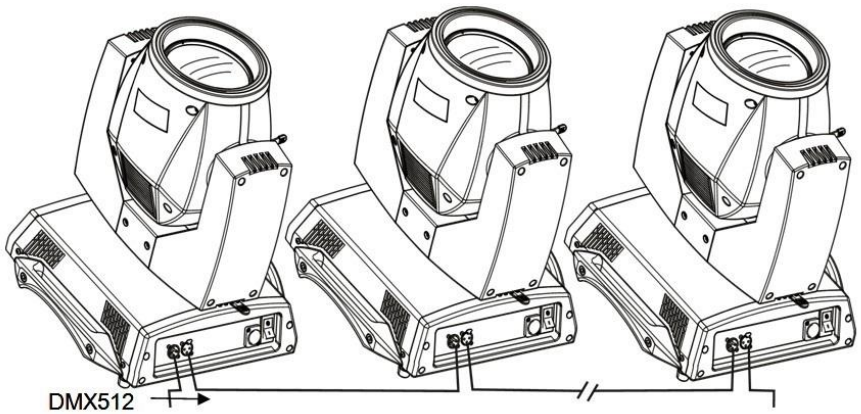
Building a serial DMX chain:

1.Connect the DMX output of the first fixture in the DMX chain with the DMX input of the next fixture. Always connect one output with the input of the next fixture until all fixture are connected

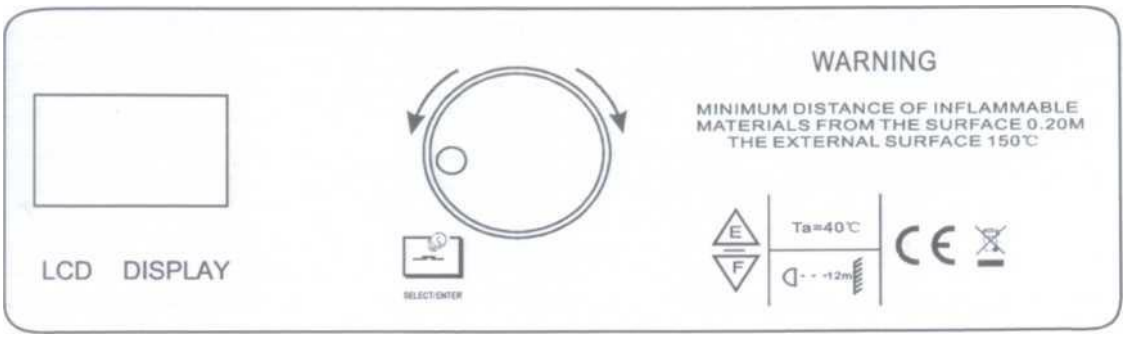
2.Caution:At the last fixture, the DMX cable has to be terminated with a terminator. Solder a 120 0 resistor between signal (-) and Signal (+) into a XLR plug and plug it in the DMX output of the last fixture

1.





Channel	16ChannelMode	17ChannelMode	20Channel Mode
1	Color Wheel	Color Wheel	Color Wheel
2	Stop/Strobe	Stop/Strobe	Stop/Strobe
3	Dimmer	Dimmer	Dimmer
4	Gobo Wheel	Gobo Wheel	Gobo Wheel
5	Prism	Prism	Prism
6	Prism Rotation	Prism Rotation	Prism Rotation
7	Function	Function	Function
8	Frost	Frost	Frost
9	Focus	Focus	Focus
10	X	X	X
11	X fine	X fine	X fine
12	Y	Y	Y
13	Y fine	Y fine	Y fine
14	Macro Function	Macro Function	Macro Function
15	Reset	Reset	Reset
16	Lamp on/off	Lamp Control	Lamp Control
17		X,Y speed	X,Y speed
18	Fast to slow	200 - 250	Color Wheel Speed
19	_____	_____	
20	Fast to slow	150 - 250	Gobo Wheel Speed



Channel	Function	DMX Value	Feature	Note
CH1	Color wheel	196 - 255	Color wheel counterclockwise rotation, Slow-Fast	linear
		188 - 195	Stop	Single-Step
		128 - 187	Patter clockwise rotation, fast-Slow	linear
		124	Blue+White	Single-Step
		120	Blue	Single-Step
		116	CTB8000+Blue	Single-Step
		111	CTB8000	Single-Step
		107	CTO190+CTB8000	Single-Step
		103	CTO190	Single-Step
		99	CTO260- CTO190	Single-Step
		94	CTO260	Single-Step
		90	Cyan+CTO260	Single-Step
		86	Cyan	Single-Step
		82	Meganta+ Cyan	Single-Step
		77	Meganta	Single-Step
		73	Yellow+Meganta	Single-Step
		69	Blue	Single-Step
		64	Pink+Yellow	Single-Step
		60	Green	Single-Step
		56	Lavender+Pink	Single-Step
		52	Lavender	Single-Step
		47	Light Green+Lavender	Single-Step
		43	Light Green	Single-Step
		39	Green+Light Green	Single-Step
		35	Green	Single-Step
		30	Aquamarine+Green	Single-Step
		26	Aquamarine	Single-Step
		22	Orange+Aquamarine	Single-Step
		18	Orange	Single-Step
		13	Red+Orange	Single-Step
		9	Red	Single-Step
		5	White+Red	Single-Step
		0	White	Single-Step
CH2	Strobe	250-255	Open	Single-Step
		240-249	Random fast strobe	Single-Step
		230-239	Random medium strobe	Single-Step
		220-229	Random slow strobe	Single-Step
		210-219	Strobe effect2	Single-Step
		200-209	Strobe effect1	Single-Step
		192-199	Open	Single-Step
		167-191	Fade Strobe, Slow-Fast	Linear
		161-166	Open	Single-Step
		136-160	Fade Strobe, Slow-Fast	Linear
		128-135	Open	Single-Step
		72-127	Pulse Strobe, Slow-Fast	Linear
		64-71	Open	Single-Step

		8-63	Strobe, Slow-Fast	Linear
		2-7	Open	Single-Step
		0-1	Close	Single-Step
CH3		250 - 255	Gobo 16 Shake, Slow-Fast	Linear
		249 - 244	Gobo 15 Shake, Slow-Fast	Linear
		237 - 243	Gobo 14 Shake, Slow-Fast	Linear
		231 - 236	Gobo 13 Shake, Slow-Fast	Linear
		224 - 230	Gobo 12 Shake, Slow-Fast	Linear
		218 - 223	Gobo 11 Shake, Slow-Fast	Linear
		212 - 217	Gobo 10 Shake, Slow-Fast	Linear
		205 - 211	Gobo 9 Shake, Slow-Fast	Linear
		199 - 204	Gobo 8 Shake, Slow-Fast	Linear
		192 - 198	Gobo 7 Shake, Slow-Fast	Linear
		186 - 191	Gobo 6 Shake, Slow-Fast	Linear
		180 - 185	Gobo 5 Shake, Slow-Fast	Linear
		173 - 179	Gobo 4 Shake, Slow-Fast	Linear
		167 - 172	Gobo 3 Shake, Slow-Fast	Linear
		160 - 166	Gobo 2 Shake, Slow-Fast	Single-Step
		118 - 159	Gobo counterclockwise rotation, Slow-Fast	Linear
		114 - 117	Stop	Single-Step
CH4	Gobo Wheel	72 - 113	Gobo clockwise rotation, Slow-Fast	Linear
		68 - 71	Gobo 17	Single-Step
		64 - 67	Gobo 16	Single-Step
		60 - 63	Gobo 15	Single-Step
		56 - 59	Gobo 14	Single-Step
		52 - 55	Gobo 13	Single-Step
		48 - 51	Gobo 12	Single-Step
		44 - 47	Gobo 11	Single-Step
		40 - 43	Gobo 10	Single-Step
		36 - 39	Gobo 9	Single-Step
		32 - 35	Gobo 8	Single-Step
		28 - 31	Gobo 7	Single-Step
		24 - 27	Gobo 6	Single-Step
		20 - 23	Gobo 5	Single-Step
		16 - 19	Gobo 4	Single-Step
		12 - 15	Gobo 3	Single-Step
		08 - 11	Gobo 2	Single-Step
		04 - 07	Gobo 1	Single-Step
		0 - 3	White Color	Single-Step
CH5	Prism	128 - 255	Prism inserted	Single-Step
		0 - 127	Prism excluded	Single-Step
CH6	Prism rotation	193 - 255	clockwise rotation, Slow-Fast	Linear
		191 - 192	Stop	Single-Step
		128 - 190	counterclockwise rotation, Slow-Fast	Single-Step
		0 - 127	0˚-540˚	Single-Step
CH7	Function	0 - 255	unused	Linear
CH8	Frost	0 - 255	Frost, Strobe-Weak	Linear

CH9	Focus	0 - 255	Focus, Far-close	Linear
CH10	X	0 - 255	Pan rotation 0˚-540˚	Linear
CH11	X Fine	0 - 255	Pan Fine rotation 0˚-2.12˚	Linear
CH12	Y	0 - 255	Tilt rotation 0˚-540˚	Linear
CH13	Y Fine	0 - 255	Tilt Fine rotation 0˚-098˚	Single-Step
CH14	Macro Function	25 - 255	Nothing	Single-Step
		12 - 24	Run the built-in test program	Single-Step
		0 - 11	Nothing	Single-Step
CH15	Rest	128 - 255	Reset	Single-Step(Delay 5 Second)
		77 - 127	X/Y Rest	Single-Step(Delay 5 Second)
		26 - 76	Effect reset(Color Wheel, Gobo wheel, Prism etc.)	Single-Step(Delay 5 Second)
		0 - 25	Nothing	
CH16	Lamp on/off	101 - 255	Lamp On	Single-Step(Delay 5 Second)
		26 - 100	Lamp Off	Single-Step(Delay 5 Second)
		0 - 25	Nothing	
CH17	X/Y Speed	251 - 255	Fastest	Single-Step
		0 - 250	Fast - Slow	Linear
		0 - 5	Fastest	Single-Step

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